

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.(currently amended) A magnetic write head, having an air bearing surface, comprising:

upper and lower magnetic poles each having a first surface, said first surfaces being parallel and non-opposing;

extending for an amount in a direction normal to said first surfaces, one ~~pedestal~~ ledge from each pole, said ~~pedestals~~ ledges having second surfaces that are coplanar, parallel to, and opposed to, said first surfaces;

said ~~pedestals~~ ledges being separated from one another by a non-magnetic layer whereby a write gap is defined;

said ~~pedestals~~ ledges having a common width that defines a track width;

each ~~pedestal~~ ledge extending away from said write gap for a distance whereby most of said pole is set back some distance from said air bearing surface and therefore has little magnetic interaction therewith.

2.(original) The write head described in claim 1 wherein said track width is between about 0.05 and 1 micron.

3.(currently amended) The write head described in claim 1 wherein said amount that said ~~pedestals~~ ledges extend away from said poles is between about 0.1 and 1 micron.

4.(currently amended) A magnetic write head, comprising:

on a substrate, a first layer of high magnetic permeability material that serves as a primary lower magnetic pole;

a[n] non-magnetic layer that abuts, and extends away from, said primary pole on a first side;

a second layer of high magnetic permeability material that serves as a secondary lower pole and covers said primary pole extending over said non-magnetic layer on said first side as a ledge having a width;

a field coil over, and insulated from, said lower poles;

an upper magnetic pole that overlies said field coil, contacts said lower pole at a second side that opposes said first side, and that is separated from said ledge by a layer of non-magnetic material that is a write gap, said upper pole having, at the write gap, a width equal to said ledge width, whereby it defines a track width; and

said ledge extending away from said primary lower pole by an amount.

5.(original) The write head described in claim 4 wherein said first layer of high magnetic permeability material is NiFe, CoNiFe, FeTaN, FeAlN, CoTaN, CoAlN, or CoFeN and has a thickness between about 0.3 and 3 microns.

6.(original) The write head described in claim 4 wherein said non-magnetic layer is silicon oxide, aluminum oxide, tantalum oxide, Al, Rh, Ru, Cu, NiCu, or Ta.

7.(original) The write head described in claim 4 wherein said second layer of high magnetic permeability material is NiFe, CoNiFe, FeTaN, FeAlN, CoTaN, CoAlN, or CoFeN and has a thickness between about 0.2 and 2 microns.

8.(original) The write head described in claim 4 wherein said upper magnetic pole is NiFe, CoNiFe, FeTaN, FeAlN, CoTaN, CoAlN, or CoFeN and has a thickness between about 0.3 and 3 microns.

9.(original) The write head described in claim 4 wherein said width is between about 0.05 and 1 microns.

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10.(original) The write head described in claim 4 wherein said amount that said ledge extends away from said primary lower pole is between about 0.1 and 1 microns.

11 - 36 (canceled).